Application No.: 10/509,641 Inventor: DROHMANN et al.

Reply to Office Action of 17 May 2006

Docket No.: 53383

Amendments to the Claims:

1-10. (canceled)

11. (currently amended) A method for filtering and/or stabilizing an aqueous liquid comprising the step of passing a suspension consisting of a discontinuous phase and a continuous phase through a porous filter medium at a constant flow rate wherein

polymer powders comprising

(a) from 20 to 95% by weight of at least one thermoplastic polymer from the group

consisting of polyolefins and polyamides,

(b) from 80 to 5% by weight of at least one further substance selected from the group

consisting of silicates, carbonates, oxides, silica gel, kieselguhr, diatomaceous

earth and crosslinked polyvinyllactams, or and mixtures thereof

perform as filter aids and/or stabilizers for filtering and/or stabilizing an aqueous liquid,

the polymer powders being obtained by compounding the thermoplastic polymers (a) and

the further substances (b) in an extruder

12. (previously presented) The method as claimed in claim 11, wherein, in addition to the

filtration, stabilization of the aqueous liquid takes place simultaneously.

13. (currently amended) The method as claimed in claim 11, wherein the substance set forth

under (b) is selected from the group consisting of alkali metal carbonates or alkaline earth

metal carbonates, alkali metal hydrogencarbonates or alkaline earth metal

hydrogencarbonates, the oxides or mixed oxides of subgroup 4 or main group 3,

crosslinked polyvinyllactams or and mixtures thereof.

14. (previously presented) The method as claimed in claim 11, wherein the substance set

forth under (b) is crosslinked polyvinylpolypyrrolidone (PVPP).

15. (previously presented) The method as claimed in claim 11, wherein the substance set

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forth under (b) is selected from the group consisting of crosslinked polyvinylpolypyrrolidone, TiO₂, NaHCO₃, KHCO₃, CaCO₃, silica gel, kieselguhr, diatomaceous earth, bentonite or and mixtures thereof.

- 16. (currently amended) A process for filtering and/or stabilizing an aqueous liquid, which comprises using a filter aid or stabilizer a polymer powder comprising
 - a) from 20 to 95% by weight of at least one thermoplastic polymer from the group consisting of polyolefins and polyamides,
 - b) 80 to 5% by weight of at least one further substance selected from the group consisting of silicates, carbonates, oxides, silica gel, kieselguhr, diatomaceous earth, crosslinked polyvinyllactams or and mixtures thereof, the polymer powders being obtained by compounding the thermoplastic polymers (a) and the further substances (b) in an extruder.
- 17. (previously presented) A process as claimed in claim 16, wherein, in addition to the filtration, simultaneous stabilization of the medium to be filtered takes place.
- 18. (previously presented) A process as claimed in claim 16, wherein, during the filtration, the precoat filtration technique is used.
- 19. (currently amended) A process as claimed in claim 16, wherein the aqueous liquid is a liquid selected from the group consisting of fruit juice drinks or and fermented beverages.
- 20. (previously presented) A process as claimed in claim 16, wherein the aqueous liquid is beer.
- 21. (previously presented) A process as claimed in claim 6, wherein tile polymer powders used have a mean particle size of from 1 to $1000 \mu m$.

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22. (previously presented) A process as claimed in claim 16, wherein the particles of the

polymer powders used are not spheroidal.

23. (currently amended) A polymer employed in the process of claim 16 comprising

> from 20 to 95% by weight of at least one thermoplastic polymer from the a)

group consisting of polyolefins and polyamides, and

80 to 5% by weight of at least one further substance selected from the b)

group consisting of silicates, carbonates, oxides, silica gel, kieselguhr,

diatomaceous earth, crosslinked polyvinyllactams or and mixtures thereof,

which is in the form of a powder and adapted for filtering and/or stabilizing aqueous

fluids.

24. (new) A process as claimed in claim 16, wherein the substance set forth under (b) is

selected from the group consisting of alkali metal carbonates or alkaline earth metal

carbonates, alkali metal hydrogencarbonates or alkaline metal hydrogencarbonates, the

oxides or mixed oxides of subgroup 4 of main group 3, crosslinked polyvinyllactams and

mixtures thereof.

25. (new) a process as claimed in claim 16, wherein the substance set forth under (b) is

crosslinked polyvinylpolypyrrolidone.

(new) A process as claimed in claim 16, wherein the substance set forth under (b) is 26.

selected from the group consisting of crosslinked polyvinylpolypyrrolidone, TiO₂,

NaHCO₃, CaCO₃, silica gel, kieselguhr, diatomaceous earth, bentonite and mixtures

thereof.

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